

July 1970

137

INDUSTRIALIZED HOUSING

Mary Z. Kessler, Librarian
Indiana Department of Commerce, Division of Planning

INDUSTRIALIZED HOUSING

compiled by
Mrs. Mary Z. Kessler
Librarian
Indiana Department of Commerce
Division of Planning

CONTENTS

PREFACE

- I. GENERAL WORKS
- II. INDUSTRIALIZED METHODS, TECHNOLOGY, AND SYSTEMS
- III. SPECIFIC PROJECTS IN THE UNITED STATES
- IV. FOREIGN PROJECTS AND RESEARCH

PREFACE

Factory built housing has a strong potential for spectacular growth in the 1970's. The demand for housing has become so formidable that traditional methods of construction are producing far below demand. With labor, land, and money in short supply, and costs soaring, new methods of producing homes must be initiated. Industrialized housing is designed to meet the challenge of underproduction and to play a major role in pioneering large scale home building. Through innovative systems utilizing prebuilt components and factory assembled modules, the building industry aims to produce an efficient system for producing functional and esthetically exciting homes at low cost.

The cooperation of business, government, and the public will be necessary if housing goals are to be achieved. Thus far, the public consciousness of the housing shortage and the need for change, and the federal government's interest in a systems approach have helped to bring industrialized housing to the forefront.

The purpose of this bibliography is to draw together materials which will present an overview of the recent methods, opinions, and systems of industrialized housing that are emerging to solve the housing crisis. New ideas and technology are continually being developed and therefore the most up-to-date information and evaluations are available primarily through periodical literature. Only items that are available in the English language are included, and the emphasis is on American developments. However a section on projects and research outside of the United States was included, since many foreign concepts have influenced and guided American thinking.



Digitized by the Internet Archive
in 2010 with funding from
University of Illinois Urbana-Champaign

<http://www.archive.org/details/industrializedho137kess>

I. GENERAL WORKS

"Assembly Line Systems." Professional Builder, April, 1969. pp. 80-83.

"Assembly Lines Bring Fresh Hope for Housing." Business Week, October 26, 1968. pp. 82-6.

Auger, Boyd. "Complexity and Computers in Architecture." Build International, November, 1968. pp. 19-25.

Barnes, Sidney C. "Manufactured Housing." Cooperative Housing, Winter, 1968. pp. 20-21.

Cleeve-Barr, A. W. "The Advantages and Disadvantages of Industrialized Building." Housing, November, 1968. pp. 29-38.

Dietz, G. H. and others. "Current Patterns of Fabrication," from Design and the Production of Houses, Burnham Kelly, editor. McGraw-Hill, New York, 1959. pp. 137-187.

"Experimental Low-cost Housing in the USA." Build International, September, 1969. pp. 32-40.

"Factory-Built Houses -- Solution for the Shelter Shortage?" Morgan Guaranty Survey, August, 1969. pp. 6-11.

Fell, Joseph W. "The Challenge to Industrialized Building." Actual Specifying Engineer, October, 1969. pp. 122-123.

"Flexibility in Building 'Community' Estates." Municipal Journal, January 28, 1968. pp. 208-9.

Gropius, Walter. "Industrialized Building." Constructor, August, 1969. pp. 17-27.

Never before published in this country, this article, written in 1910, is a proposal for the industrialization of building and for the formation of a company to carry it out.

Guy, R. B. and others. The State of the Art of Prefabrication in the Construction Industry: Final Report to the Building and Construction Trades Department AFL-CIO. Battelle Memorial Institute, Columbus, Ohio. 1967. 236p.

"Home from the Production Lines: Photo Report." U. S. News and World Report, Vol. 68, No. 12, March 23, 1970. p. 74.

Hooper, William L. "Innovation in Housing: Pipe Dreams or Practical Reality?" Technology Review, January, 1968. pp. 25-30.

"Housing: Growth Industry of the 70's." Business in Brief, October, 1969. pp. 6-7.

Hughes, Robert. "The Management Consultant in System Building." Industrialization Forum, October, 1969. pp. 19-22.

"Industrialized Building." Municipal and Public Services Journal, May 24, 1968. pp. 126-7.

"Industrialized Building." Professional Builder, August, 1969. pp. 41-48.

"Industrialized Housing: Have We Overlooked True Value?" Journal of Housing, Vol. 24, No. 8, September, 1967. entire issue.

"Industry Must Join Government in Attacking Housing Problems." Journal of the Federal Home Loan Bank Board, September, 1968. pp. 1-3.

Koch, Carl. "Design and the Industrialized House," from Design and the Production of Houses, Burnham Kelly, editor. McGraw-Hill, New York, 1959. pp. 83-111.

Koch, Carl Jr. "Component Design for the Urban Environment." Building Research, January/March, 1969. pp. 11-15.

McQuade, Walter. "An Assembly-line Answer to the Housing Crisis." Fortune, May 1, 1969. pp. 98-103.

Martin, Paul K., compiler. Profits in House Packages: A Special Report for Builders. Home Manufacturers Association, Washington, 1963. 38p.

"Packaged Buildings -- The Wave of Tomorrow." Actual Specifying Engineer, March, 1969. pp. 57-63.

Platts, Robert E. "System Housing: the New Industry is Beginning to Work." Construction Specifier, August, 1969. pp. 32-37.

"Prefabricated Housing Looks for a Home in the U.S." Business Week, March 1, 1969. pp. 44-46.

Randall, Stanley J. and others. "Systems Building: the Big Breakthrough?" Ontario Housing, Vol. 15, No. 2, 1969. Entire issue.

Reschke, Robert C. "Industrialized Building." Professional Builder, May, 1969. pp. 59-63.

Rothenstein, Guy B. "Industrialized Building: Quality Demands Participation." Progressive Architecture, February, 1967. pp. 141-143.

"The Shell Game: How Four Played It." Actual Specifying Engineer, May, 1969. pp. 49-52.

"Solution for the Shelter Shortage? Factory Build Houses." Morgan Guaranty Survey, August, 1969. pp. 6-9-7.

Stonebraker, Gary. "Change: Industrialization or Automation of Technology." Construction Specifier, August, 1969. pp. 76-84.

"Systems Building." Engineering News-Record, October 30, 1969. pp. 62-109.

"Too Early to Bet on the 'Mod Squad'?" Business Week, March 28, 1970. p. 32f.

Treacy, Moira. Housing Takes Shelter in the Factory: the Industry is Being Made Over in the Image of a Big Company as Huge Demand Goes Unmet. New York Stock Exchange, New York. 1969.

U. S. Congress, Joint Economic Committee. Industrialized Housing: Material Compiled and Prepared for the Subcommittee on Urban Affairs of the Joint Economic Committee, Congress of the United States. U. S. Government Printing Office, Washington, 1969. 257p. \$1.00.

U. S. Department of Housing and Urban Development, Panel on Housing Technology. The Housing Industry - A Challenge for the Nation. U. S. Government Printing Office, Washington, 1970. 65¢.

U. S. Library of Congress, Legislative Reference Service. Industrialization of Housing: Today's Potential. U. S. Library of Congress, Washington, 1967. 77p. Free?

"What Kind of Future for Housing?" Morgan Guaranty Survey, July, 1967. pp. 4-10.

"Where the Component Industry Stands Today: a Special Industry Report." Automation in Housing, August, 1966. pp. 30-39.

Wittausch, William K. Housing as a Consumer Product: an Emerging New Industry. Chamber of Commerce, Task Force on Economic Growth, Washington, 1968?. 46p.

* * * * *

II. INDUSTRIALIZED METHODS, TECHNOLOGY, AND SYSTEMS

"Are Sectional Houses Finally on the Road to a Bigger Share of the Housing Market?" House and Home, March, 1967. 88-95.

Atkinson, George A. "Component Building: Current Studies at BRS." Building Research Station News, Winter, 1967. pp. 6-7.

Building Block Modules, Inc. Building Block Modules Introduces a New Concept in Low Cost Quality Housing. Building Block Modules, Inc., Oakland, California, 1966?. 10p.

"Case Studies." Architectural and Engineering News, August, 1968. pp. 21-24.

Calalano, Eduardo. "A Case for Systems." Progressive Architecture, May, 1969. pp. 162-166.

Cheskin, David B. "New Approaches to Multistory Housing." Progressive Architecture, November, 1968. pp. 142-143.

Cornell University, Center for Housing and Environmental Studies. The New Building Block: a Report on the Factory-Produced Dwelling Module. Research Report No. 8. Cornell University, Ithica, New York, 1968. 278p.

Eglit, Victor I. "Mounting Accuracy of Prefabricated Building Components." Build International, April, 1969. pp. 14-18.

Engelbrecht, Robert Martin. "The Manufactured Module -- Concept to Reality." Building Research, January/March, 1969. pp. 6-10.

Ferrabee, Lydia. "Fitting for the Future." Habitat, Vol. 12, No. 1, 1969. pp. 20-21.

"Finally: a Low-cost Component System for Housing That Really Works." Architectural Record, March, 1967. pp. 187-194.

Forbes, W. S. "Component Building." Building Research Station News, Summer, 1969. pp. 12-13.

Geyer, Bernhard. "Inclusion of New Structures in the Modular Building System." Build International, March, 1969. pp. 33-44.

Godfrey, Kneeland A., Jr. "New Technology in Low-income Housing." Civil Engineering, January, 1968. pp. 48-54.

"HUD Demonstrates 'Piggy-Back' Housing." Building Official, February, 1968. p. 15.

Illinois Institute of Technology, Chicago Research Institute. Application of Component Construction to Multistory, Low-income Housing, Final Report. Illinois Institute of Technology, Chicago, 1968. Three volumes. Free.

Karnov, Hans H. "Form Follows Function -- But How?" Build International, May, 1969. pp. 30-35.

Karten, Ingvar. "Better Housing Through Quality Evaluation of Building Materials." Building Official, December, 1969. pp. 6-97.

Koch (Carl) and Associates. A Precast Concrete Housing System: Academy Homes, Roxbury, Boston, Massachusetts. Koch and Associates, Boston, 1965? 4p.

Lewicki, Bohdan. Building with Large Prefabricates. Elsevier Publishing Company, New York, 1966. 460p.

"A New Kind of Total House." Better Homes and Gardens, September, 1969. p. 747.

"New System Put to Test: Arch House Seeks to Prove the New Technology Will Work." Practical Builder, November, 1966. pp. 102-105.

"New Systems Should Mean Higher Quality at Lower Prices." Better Homes and Gardens, September, 1969. pp. 64-69.

O'Grady (John F.) Inc. Parkhouse Building Construction Systems. O'Grady Inc., Los Angeles, 1967. n.p.

"Scholz Homes: Giant by Design." Automation in Housing, October, 1969. pp. 67-73.

"Stacked Sacks Offer Low-cost Housing." Engineering News-Record, November 16, 1967. pp. 24-25.

Tannenbaum, A. A. "New Techniques in Residential Construction." Appraisal Journal, July, 1966. pp. 419-26.

"Total Energy for Five Apartment Groups." Architectural Record, December, 1966. pp. 155-157.

"Two from the U.S.A." Automation in Housing, August, 1969. pp. 65-71.

United Nations Economic and Social Council. Modular Coordination in Building: Asia, Europe, and America. United Nations, New York, 1966. 67p.

U. S. Department of Housing and Urban Development. Manufactured Housing Technically Suitable for F.H.A. Mortgage Insurance. U. S. Department of Housing and Urban Development, Washington, n.d.

Vermiculite Institute. "Instant City" -- A New Concept of Urban Living. Vermiculite Institute, Chicago, n.d. 8 pieces in a portfolio.

Volbeda, Ira A. "Tolerances and Fits." Build International, April, 1969. pp. 19-21.

Wells, H. Clarke. "Stackup Housing: What Are Its Chances?" House and Home, April, 1968. pp. 86-93.

Wolff, David S. "Module Concepts through Wood Technology." Building Research, January/March, 1969. pp. 29-30.

* * * * *

III. SPECIFIC PROJECTS IN THE UNITED STATES

"Akron Housing Authority on the Way with 1500-Unit 'Instant Housing' Program. Journal of Housing, June, 1969. pp. 299-301.

"Apartments Built in Half the Time With Modules." Journal of Homebuilding, November, 1969. pp. 68-69.

Arnold, Mark R. "Mr. Romney's 'Breakthrough' Rolling Houses Off an Assembly Line." National Observer, June 2, 1969. p. 17.

"Building with Boxes -- A Progress Report." Architectural Forum, April, 1968. pp. 84-91.

Franklyn, Herbert M. "Operation Breakthrough: a First Appraisal." Journal of Housing, August/September, 1969. pp. 409-411.

Housing Research, Inc. Factory Fabricated Multi-family Housing: a Low-income housing demonstration project for the U. S. Department of Housing and Urban Development: Interim Report. Housing Research, Inc., Michigan City, Indiana, 1966.

"Is a Breakthrough Near in Housing?" Business Week, September 13, 1969. pp. 80-82+.

"Modular Housing: Breakthrough for Memphis, Tennessee." Town and City, February, 1970. pp. 5-6.

"Operation Breakthrough Starts Stacking Up." Professional Builder, July, 1969. pp. 440-451.

"Prefabrication: an Examination of Projects Using Types of Prefabricated Components." Constructor, October, 1968. pp. 17-24.

Sherman, Joseph. "Habitat-Unimet System of Construction." Building Research, January/March, 1969. pp. 20-22.

U. S. Department of Housing and Urban Development. Fredella Village, Vicksburg, Mississippi. U. S. Government Printing Office, Washington, D. C., 1968. 11p.

U. S. Department of Housing and Urban Development. Low-income Housing Demonstration Project. U. S. Department of Housing and Urban Development, Washington, D. C., n.d.

Ward, Hiley H. "Pre-fab Housing and the Church in Detroit." Commonweal, September 29, 1967. pp. 602-603.

* * * * *

IV. FOREIGN PROJECTS AND RESEARCH

Andrews, Stewart. "Implementation of Habitat '67." Habiter, September/December, 1965. pp. 7-15.

Bates, A. Allan. "Low-cost Housing -- Soviet Union's Factory Made Housing." Civil Engineering, September, 1969. pp. 44-48.

Bishop, D. Industrialized Building - With Special Reference to Formwork. Building Research Station, Ministry of Technology, Garston, England, 1968.

Chan, W. W. L. System Building in Britain. Virginia Polytechnic Institute, Blacksburg, Virginia, 1968. 20p.

Cleeve-Barr, A. W. and others. "Signpost to the Seventies." Housing and Planning Review, November/December, 1968. pp. 31-32/.

"Cosmos: The First Open System for Housing." Architectural and Engineering News, May, 1969. pp. 37-40.

Dawson, John A. "Industrialized Building in Canada: a Survey of the 'State of the Art' 1969." Construction Specifier, August, 1969. pp. 38-42/.

Diamant, R. M. E. "Two from Sweden." Automation in Housing, August, 1969. pp. 60-64.

Dunican, Peter and others. "Industrialized Building: Great Britain." Municipal and Public Services Journal, Vol. 76, May 24, 1968. pp. 1267/.

"The Future -- Can We Face It? The Architectural Implications of Industrialized Building." Architectural Review, November, 1966. pp. 321-325.

Habitat-67 - Phase I. The Canadian Corporation for the 1967 World Exhibition, Montreal, 1967. 9p.

"Habitat '67's Housing Blocks Build a Better Environment." Engineering News-Record, June 16, 1966. pp. 84-86.

Huxtable, Ada Louisa. "Habitat: Prototype for Urban Housing." Current, July, 1967. pp. 32-34.

International Council for Building Research, Studies, and Documentation. Towards Industrialized Building: Proceedings of the Third CIB Congress, Copenhagen, 1965. Elsevier Publishing Company, New York, 1966. 493p.

Platts, R. E. Potentials for Canada Seen in Advanced System Building in Europe. Technical Paper No. 274. National Research Council, Division of Building Research, Ottawa, 1968. 8p.

Platts, R. E. Prefabrication in Canadian Housing. National Research Council of Canada, Ottawa, 1964. 67p.

"Prefabricated Low-cost Housing in Jamaica." Overseas Building Notes. February, 1967. pp. 1-7.

"Quality, Philosophy and Assessment in Sweden." Build International, February, 1969. pp. 16-20.

Rothenstein, Guy G. "Systems: Introduction, Definitions, European Systems." Constructor, October, 1969. pp. 15-24.

Royal Institute of British Architects. Industrialized Housing and the Architect: Papers Presented at the Conference Held on January 12 and 13, 1967. Royal Institution of British Architects, London, 1967. 191p.

Safdie, Moshe. "Habitat '67." Habiter, September/December, 1965. pp. 2-6.

"Thamesmead: At the Edge of London a Community for 60,000 People Is Being Built of Prefabricated Parts." Architectural Forum, Vol. 131, July/August, 1969. pp. 53-65.

U. S. Department of Housing and Urban Development, Division of International Affairs. Industrialized Building: A Comparative Analysis of European Experience. U. S. Government Printing Office, Washington, 1968. 67p.

U. S. Department of Housing and Urban Development Library. Habitat '67: A Selected list of References. U. S. Department of Housing and Urban Development Library, Washington, 1967. 3p.

"Will Habitat Cast a New Mold for Housing?" Business Week, June 24, 1967. pp. 164-170.

Winkler, Jack. "Russia Faces Up to the Realities of the Construction Industry in Reorganizing its Approach to Producing Housing." Architectural Record, October, 1969. pp. 169-171.

COUNCIL OF PLANNING LIBRARIANS

Exchange Bibliography #137

INDUSTRIALIZED HOUSING

Additional copies available from:

Council of Planning Librarians
Post Office Box 229
Monticello, Illinois 61856

for \$1.50

UNIVERSITY OF ILLINOIS-URBANA
016.7114C73E C001
EXCHANGE BIBLIOGRAPHY. URBANA, ILL
127-138 1970



3 0112 029108674